

CLARION® Food Machinery HT EP Greases



OVERVIEW

- High temperature, extreme pressure (EP), water resistant greases in NLGI No. 1 and 2 grades.



FEATURES & BENEFITS



- Superior extreme pressure (EP) and antiwear performance.
- Excellent rust protection.
- High dropping point and oxidation inhibited for high temperature use.
- Excellent adhesion for sealing and water washout resistance.
- Excellent pumpability (NLGI No.1).
- NSF H1 registered for use in food processing plants under the jurisdiction of the USDA.
- Certified under NSF/ANSI Standards 60 and 61 (NLGI No. 2 only).



APPLICATIONS



- For use with food processing and packaging machinery where there is a possibility of incidental contact with food.
- NLGI No. 1 grade is ideal for use in centralized lubrication systems such as those used with beverage bottle fillers.

PROPERTIES**Typical Properties for CLARION® Food Machinery HT EP Greases:**

NLGI No.	1	2
Material Code	655701009	655700009
Thickener Type	Aluminum Complex	Aluminum Complex
Texture	Smooth, Tacky	Smooth, Tacky
Color, Observed	White to Off-White	White to Off-White
Worked Penetration, ASTM D217	310-340	265-295
Dropping Point, ASTM D566, °F (°C)	450 (232) Min.	500 (260) Min.
Wheel Bearing Leakage, ASTM D1263, % loss	N/A	4.5
Water Washout, ASTM D1264, % loss	N/A	7.7 @ 175°F
Water Spray Resistance, ASTM D4049, % loss	N/A	9.2
Rust Prevention, ASTM D1743, rating	Pass	Pass
Copper Corrosion, ASTM D4048, rating	1a	1a
Oil Separation, ASTM D1742, % loss	2.0	2.0
Timken Test, ASTM D2509, OK load, lbs	40	40
Four-Ball Wear, ASTM D2266, mm	0.55	0.55
Four-Ball EP Weld, ASTM D2596, kgf	400	400
Four-Ball Load Wear Index, ASTM D2596, kgf	55	55
Approximate Temperature Range, °F (°C)	10 to 325 (-12 to 163)	10 to 325 (-12 to 163)
NSF Registered (Registration Number)	H1 (142230)	H1 (124605)
NSF/ANSI Standard 60 Certified	-	✓
NSF/ANSI Standard 61 Certified	-	✓
FDA, 21 CFR 178.3570	✓	✓

Characteristics of Oil Plus Oil Soluble Additives:

Viscosity ASTM D445		
cSt @ 40°C	581	581
cSt @ 100°C	65.8	65.8
Viscosity Index ASTM D2270	188	188

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